

## LITTLE COLORADO RIVER BASIN

09397200 PENZANCE WASH NEAR JOSEPH CITY, AZ

LOCATION.--Lat 34°55'08", long 110°15'13", in NE<sup>1</sup>/<sub>4</sub>, sec.31, T.18 N., R.20 E., Navajo County, Hydrologic Unit 15020008, at U.S. Highway 66, 5.6 mi southeast of Joseph City.

DRAINAGE AREA.--0.17 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1963	08-30-63	106		1970	09-06-70	95	
1964	09-09-64	120		1971	09-02-71	24	
1965	00-00-65	3.0	ES	1972	08-13-72	40	
1966	08-09-66	36		1973	10-19-72	5.0	
1967	08-05-67	116		1974	08-00-74	20	ES
1968	00-00-68	0		1975	09-00-75	35	
1969	07-24-69	1.0	LT	1976	00-00-76	96	

Magnitude and probability of instantaneous peak flow based on period of record 1963-76

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
38	85.4	126	188	240	296
Weighted skew	(logs) =	-0.33			
Mean	(logs) =	1.56			
Standard dev.	(logs) =	0.44			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
237	0.45	5,150	0.0	3.0	7.8	1.2	2.6

